



**Asphalt Plant Permit Application
Bureau of Air Quality
Part IID**

Bureau Use

Permit No.: _____
ID No.: _____
Date: _____
Reviewed By: _____

PLEASE REFER TO INSTRUCTIONS ON BACK BEFORE COMPLETING THIS FORM

1. Company Name: _____
Plant Designation (e.g. Plant #3): _____
Plant Superintendent: _____ Phone No.: (____) _____

2. Plant Data:
A. Manufacturer's Name and Model No.: _____
B. Original Date of Manufacture: _____ Plant Reconstructed? ☐ Yes ☐ No
C. Type of Plant: ☐ Batch ☐ Drum ☐ Continuous
D. If Plant is to be used to Recycle Asphalt, Give % Recycle: _____
E. Dryer Capacity (tons/hr.): _____ Rated _____ Actual _____

3. Burner Data:
Manufacturer's Name and Model No.: _____ Rated BTU/hr.: _____

4. Fuel Data (indicate all units):

Fuel Type and Grade	BTU Content	% Sulfur by weight	% Ash by weight	Consumption @ rated capacity
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

5. Stack Data:
Height Above Ground _____ ft. Gas Velocity _____ ft./sec.
Inside Diameter _____ ft. Temperature _____ °F
Est. Moisture _____ % Location (UTM or Lat./Long) _____

6. Description of Air Pollution Control Equipment:

A. _____ Wet Scrubber:
Type: ☐ Spray Chamber ☐ Venturi (design pressure drop _____ in. of H₂O) ☐ Other
Manufacturer's Name and Model No.: _____
Number & Size of Nozzles: _____ H₂O Flow Rate: _____ gal./min.
Collection Efficiency: _____ % Design H₂O Pressure: _____ PSIG

B. _____ Baghouse:
Manufacturer's Name and Model No.: _____
Cleaning Mechanism: ☐ Shaker ☐ Reverse Air ☐ Pulse Jet ☐ Other
Time to Complete Cleaning Cycle: _____ min. Bag Dimensions: _____ x _____ in.
Number & Type of Bags: _____ Air to Cloth Ratio: _____ ft./min.
Collection Efficiency: _____ % Design Pressure Drop: _____ in. of H₂O

C. _____ Other (specify): _____

7. Particulate Emissions at Rated Capacity: _____ lb./hr.
Method of Estimation: _____

8. Normal Operating Schedule: _____ hours/day _____ days/week _____ weeks/year
Seasonal Variation: Dec. - Feb. _____ % Mar. - May _____ % June - Aug. _____ % Sept. - Nov. _____ %

9. How will waste material from process and control equipment be disposed of? _____

10. Are any of materials subject to provisions of the S.C. Hazardous Waste Management Act or Regulations to be used in this plant? (specify): _____

PART IID PERMIT APPLICATION INSTRUCTIONS FOR COMPLETING

PURPOSE:

To obtain the information needed to process applications for air permits and to maintain these permits. The information requested is used to determine whether a source must meet State and/or Federal Regulations and if the source is capable of achieving the applicable standards.

EXPLANATION AND DEFINITION:

Any person who plans to construct, alter, or operate a source that emits air contaminants, including the installation of any device for the control of air contaminants shall first obtain a permit from the Department. A hot-mix asphalt plant is defined "as any facility used to manufacture asphalt concrete by heating and drying aggregate and mixing with asphalt cement".

Item By Item Instructions:

- Item 1.** Company name for permit.
If the parent company owns more than one plant, identify the plant designation by plant number (e.g. Plant #1).
Name of plant superintendent and telephone number.
- Item 2A.** Manufacturer's name & model number.
- Item 2B.** Indicate original date of manufacture. A plant being reconstructed refers to replacement of depreciable components of an existing facility.
- Item 2C.** Indicate type of plant.
- Item 2D.** "Recycle asphalt" means asphalt materials reprocessed from highways, roadways, airstrips, etc.
- Item 2E.** Indicate rated and actual capacity in tons/hr of dryer.
- Item 3.** Provide burner data including manufacturer's name and model number.
- Item 4.** Indicate type and grade of fuel (e.g., no. 4 fuel oil, natural gas, etc.). Also for multiple fuels indicate whether primary (P), secondary (S), or in combination (C). Under "Consumption" indicate gallons or ft³ per hour.
- Item 5.** Provide stack data specifications.
- Item 6.** Describe all types of air pollution control equipment, i.e., wet scrubber, baghouse, etc.
- Item 7.** Provide rated capacity in tons/hr for particulate emissions. Under "Method of Estimating Emissions" indicate whether stack test, AP-42, material balance, engineering calculations, etc.
- Item 8.** Indicate operating schedule including normal operation and seasonal variation.
- Item 9.** Indicate procedures that will be taken to dispose of waste material.
- Item 10.** Indicate if materials are regulated under the South Carolina Hazardous Waste Management Act or if any materials are suspected to be harmful to human health/welfare or plant/animal life.

OFFICE MECHANICS AND FILING:

In accordance with retention schedule HEC-AQC-3 break file at the end of each fiscal year, retain within the Agency for five additional years and then destroy.